

ABSTRACT OF THE ORIFICE PLATELOSURE

In a hydraulic system for controlling the rate at which fluid flows to an oncoming clutch and for quickly disengaging the clutch, a source of pressurized fluid,
5 a valve hydraulically connected to the fluid source including a spool for alternately opening and closing communication through the valve between the fluid source and the clutch, a seat located between the valve and the clutch, and a plate moveable by fluid flow in a first direction into contact with the seat and moveable by fluid flow in a second direction away from the seat, the plate having an orifice through which fluid
10 enters the clutch when the plate contacts the seat, and openings through which fluid from the clutch passes when the plate is away from the seat. A tube, located between the plate and the clutch, includes a head adjacent the plate and is formed with the seat, and a shank having a passage hydraulically communicating with the clutch, the orifice being aligned with the passage when the plate contacts the seat.